

4536

4536

Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
State: <u>S.E. Alaska</u>
11-5513
DESCRIPTIVE REPORT.
Hydrographic Sheet No. <u>4536</u>
LOCALITY:
<u>Prince of Wales I-W. Coast</u>
<u>Off Cape Muzon</u>
<u>1926</u>
CHIEF OF PARTY:
<u>H.B. Campbell</u>

(11)

June 12, 1926.

Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in
1 volumes of sounding records for

HYDROGRAPHIC SHEET NO. 4536

Locality: S. E. ALASKA.

Chief of Party: H. B. Campbell in 1925

Plane of reference is MLLW
2.9 ft. on tide staff at Cape Mizon.

For reduction of soundings, condition of records satisfactory
except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted
3. Time meridian not given at beginning of day's work.
4. Time (whether A. M. or P. M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of each day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.



Chief, Division of Tides and Currents.

0
DESCRIPTIVE REPORT

to accompany

4536

HYDROGRAPHIC SHEET NO. -----

FIELD NO. 4

Sm. M. Lee

WEST COAST, PRINCE OF WALES ISLAND; OFF CAPE MUZON.

SCALE 1 : 40,000

SEPTEMBER, 1925

H. B. CAMPBELL, CHIEF OF PARTY

Instructions dated,
February 27th, 1925.

The work on this sheet is supplementary to Hydrographic Sheet No. 3042a, done by R. B. Derickson in 1909. Lines on Sheet No. 3042a were spaced from 800 to 1200 meters. The instructions called for running split lines in all water areas of less depth than 100 fathoms, and for additional work between parallels $54^{\circ} 40'$ and $54^{\circ} 36'$ to a junction with Hydrographic Sheet No. 3819a.

It was found to be impracticable to complete this work on account of engine trouble of the NATOMA. The split lines of Sheet No. 3042a were completed with the exception of five short lines. Two north and south lines were run to the east of the limit of Sheet No. 3819a.

No shoal indications were found. The split lines developed some minor changes in the depth curves.

The hydrography was done with the NATOMA, using an electric sounding machine on the stern, with stranded wire and 30 lb. lead. All soundings were taken with the ship stopped and the wire vertical.

The work remaining to be done includes an area of approximately 25 square miles, between Latitude $54^{\circ} 36'$ and $54^{\circ} 40'$ and Longitude $132^{\circ} 28'$ and $132^{\circ} 37'$; besides the five split lines mentioned above.

Respectfully submitted,

M. O. Witherbee
M. O. WITHERBEE, H. & G. E.

The following names were approved by U.S.G.B. and added to this sheet

KAN SHEETS ISLAND	in Kan Sheets Bay	Lat $56^{\circ} 31.1'$	Long $133^{\circ} -05.5'$
LITTLE DUNCAN BAY		Lat $56^{\circ} 35'$	Long $133^{\circ} -10'$

E.R.B. 10/15/34

STATISTICS FIELD -- HYDROGRAPHIC SHEET No. 4

AREA 16.25 Sq. Mi.

Date	Day	Vol.	Miles	Soundings	Positions	Boat
Sept. 3	A	1	13.5	60	61	Natoma
24	B	1	26.2	97	97	"
			----	--	--	
			39.7	157	158	

ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY
AND REFER TO No.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
WASHINGTON

July 23, 1926.

REPORT ON VERIFICATION OF
Hydrographic Sheet No. 4536

This sheet was clean and well protracted.

The sounding records are complete.



H. R. Edmonston,
Field Records Section.

ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 11-DPM

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON August 18, 1926.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4536

Off Cape Muzon, Southeast Alaska

Surveyed in 1925.

Instructions dated February 27, 1925 (NATOMA)

Chief of Party, H. B. Campbell.

Surveyed by H. B. C.

Protracted by M. O. Witherbee.

Soundings plotted by C. I. Aslakson.

Verified and inked by H. R. Edmonston.

1. The records conform to the requirements of the General Instructions.
2. The plan and extent of the survey, as far as it goes, conform to the requirements of the specific instructions. Additional work has been done on this sheet by the party of the EXPLORER in 1926, but the records have not yet been transmitted to the office. The additional work is shown on the boat sheet.
3. The usual depth curves could be drawn.
4. The usual plotting was done by the field party and was well executed.
5. The junctions with the adjacent sheets will be taken up in the reviews for those sheets.
6. No additional work is necessary within the limits of this survey.
7. Character and scope of surveying - excellent.
Field drafting - excellent.
8. Reviewed by A. L. Shalowitz, July 28, 1926.

AND REFER TO NO. 11-DEM

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

June 23, 1927.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4536 (Additional Work)

Off Cape Muzon, Southeast Alaska

Surveyed in 1926

Instructions dated February 27, 1925 (NATOMA)
March 9, 1926 (EXPLORER)

Chief of Party, F. B. T. Siems.

Surveyed by F. B. T. S.

Protracted and soundings plotted by R. C. Rowse.

Verified and inked by E. A. Deily.

1. The records conform to the requirements of the General Instructions.
2. This work completed the work outlined for the NATOMA in the instructions of February 27, 1925.
3. The protracting and plotting were done in the office.
4. A good agreement exists between this work and the old survey, H. 3042^a, over which split lines were run.
5. The junction with the work done the previous year (shown in red day letters) is satisfactory.
6. No additional work is necessary within the limits of this survey. (See paragraph 7, c, below.)
7. The following remarks relative to some of the signals used in this survey may be helpful in future handling of this sheet:
 - a. ☉ Point (shown on sheet as a hydrographic signal) is the tangent to Yellow Bluff Pt. which lies between Wolk Harbor and Chickwan Bight. The shoreline was transferred from Topo. 3674 and the outermost point used for plotting purposes.
 - b. ☉ Minnie (shown on sheet as a hydrographic signal) is the south tangent of the southernmost of the islets off the west point of Brownson Bay. The point was spotted first on Topo. Sheet 2973 and then transferred to the hydrographic sheet and designated as a regular hydrographic signal.

c. Ⓞ Round (a light on Round Island) was plotted on this sheet from information given in the Pacific Coast Light List for 1927, there being no other available data. It is designated on the sheet as a hydrographic signal. If additional work is done in this locality this light should be cut in.

d. Ⓞ Eighty (shown on sheet as a hydrographic signal) is the top of an 80 foot island about 1 mile S.E. x S. of Boat Rocks in Cordova Bay. The highest point of the island as well as could be determined was transferred from topographic sheet 2973. This signal was used but once in the hydrography.

e. Ⓞ End (shown on sheet as hydrographic signal) is a whitewash mark on the northeast end of the island where Δ Cape is located. No other data was submitted for the location except the boat sheet and this was used to spot the point on the smooth sheet.

The above signals were all plotted in the office.

No descriptive report was submitted with this work.

8. Character and scope of surveying - excellent.

9. Reviewed by A. L. Shalowitz, June, 1927.

Approved:

Chief, Section of Field Records (Charts)

Chief, Section of Field Work (H. & T.)

3
April 27, 1927.

Division of Hydrography and Topography:

C ✓ Division of Charts:

Tide reducers are approved in
1 volumes of sounding records for

HYDROGRAPHIC SHEET 4536 (add'l work)

Locality: S. E. ALASKA

Chief of Party: F. B. T. Siems

Plane of reference is M L L W

5.7 ft. on tide staff at American Bay

Condition of records satisfactory except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of each day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

Hammann
Chief, Division of Tides and Currents.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet # 4536

ADDITIONAL WORK

Off Cape Mazon - Southeast Alaska.

Surveyed in 1926.

Chief of Party- F.B.T.Siems.

Surveyed by- F.B.T.Siems.

Protracted by- R.C.Rowse.

Soundings plotted by- R.C.Rowse.

Verified and Inked by-E.A.Daily.

- 1- The records confirm to the General Instructions.
- 2- The work was plotted in the Washington Office and was well executed.
- 3- The sounding No. 11c of 57 fathoms should be further investigated.
- 4- Character of Surveying - good.
Drafting - good.

Respectfully submitted,

Earle A. Daily
Earle A. Daily.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The finished Hydrographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

4536

U. S. Coast and Geodetic Survey.

Register No. 4536 ^{*4}

State . SE, Alaska
General locality . Prince of Wales I.-W. Coast
~~West coast, Prince of Wales Island~~
Locality . . . Off Cape Muzon [✓]
Chief of party . . H.B. Campbell
Surveyed by . . . H.B. Campbell
Date of survey . . September, 1925
Scale 1:40000
Soundings in . fathoms
Plane of reference . . Mean lower low water
Pretracted by M.O. Witherbee Soundings in pencil by C.I. Aslakson
Inked by Verified by
Records accompanying sheet (check those forwarded):
Des. report, [✓] _____ Tide books, _____ Marigrams, _____ Boat sheets,
_____ Sounding books, _____ Wire-drag books, _____ Photographs.
Data from other sources affecting sheet

Remarks: Incomplete; to be finished in 1926 by F.B.T. Siems